



New Space Systems Acquisition Policy

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Implementation of New Space Systems

Acquisition (SSAP) Policy Directive-Type Memorandum (DTM) 09-025, October 18, 2010:

- Cancels Interim Guidance of March 2009
- Amends DoD Instruction 5000.02
- Impacts operation of the Defense Acquisition System and duties of key officials
- Effective immediately

25 is available at <http://www.dtic.mil/whs/directives/corres/pdf/DTM-09-025.pdf>

Implementation of New SSAP DTM 09-025 Changes to Policy and Procedure

- 1. Independent Program Assessment (IPA)**
- 2. Technology Development Strategy (TDS)
Considerations**
- 3. Systems Engineering Plan (SEP)
Considerations**
- 4. Systems Design Review (SDR)**
- 5. Post-System Design Review Assessment (P-
SDRA)**
- 6. Approval for Long-Lead Items at Milestone B**
- 7. Entrance Criteria for Production and
Deployment Phase**
- 8. Milestone C and Production and Deployment
Phase**

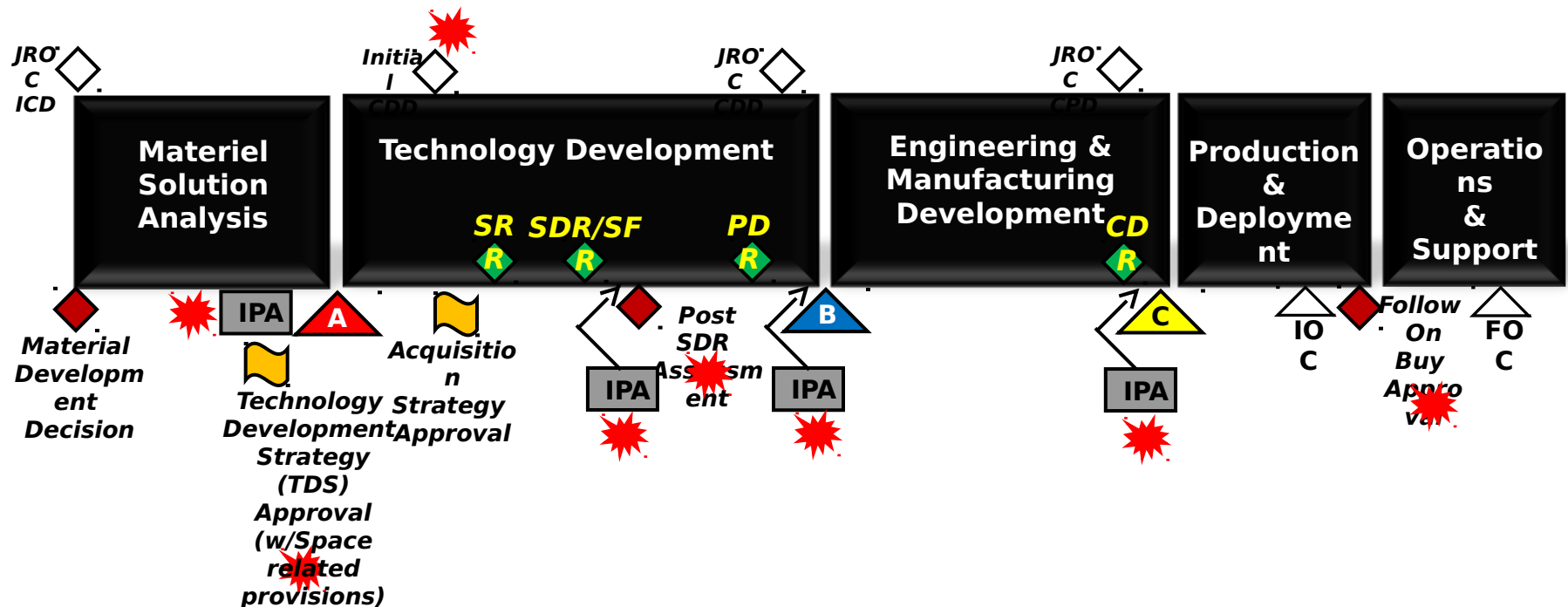
Applies to acquisition of military space systems

Systems

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Acquisition Management System Revisions

DoDI 5000.02 (8 Dec 2008 with Space-Related Revisions)



Red Star denotes Space related revisions to DoDI 5000.02 (08 Dec 2008)

Implementation of New SSAP Independent Program Assessment (IPA)

- **Independent Program Assessments (IPAs) are:**
 - **An independent, comprehensive, and systematic review of major space system managerial and technical progress**
 - **Designed to identify program cost, schedule, and performance risks; formulate risk mitigation plans; and provide feedback both to the PM and the Milestone Decision Authority (MDA)**
- **An IPA will be conducted:**
 - **Before each milestone**
 - **Prior to Post-SDR Assessment**
 - **Whenever directed by the MDA**

Implementation of New SSAP Technology Development Strategy (TDS) Considerations

In addition to DoDI 5000.02 requirements, TDS for Space Systems shall detail acquisition strategy and contracting approach for development of pertinent technologies for each phase of program lifecycle

**See Defense Acquisition Guidebook, Chapter 2
for content of TDS**

Implementation of New SSAP Systems Engineering Plan (SEP) Additional Considerations

**In addition to DoDI 5000.02
requirements, the SEP shall:**

- **Emphasize space system's integration with other existing and approved future architectures and capabilities**
- **Include Mission Assurance (MA) planning**

Description of these activities

DoDI 5000.02: The SEP shall describe the program's overall technical approach, including key technical risks, processes, resources, metrics, and applicable performance incentives. It shall also detail the timing, conduct, and success criteria of technical reviews.

**Current guidance for preparation of the SEP is at
<http://www.acq.osd.mil/se/pg/guidance.html#SEP>**

Implementation of New SSAP Conduct of Systems Design Review (SDR)

- **PMs shall conduct a SDR during Technology Development (TD) Phase to:**
 - **Ensure system's functional baseline is established**
 - **Ensure systems has reasonable expectation of satisfying Initial Capabilities Document (ICD) requirement within allocated budget and schedule**
- **SDR**
 - **Completes process of defining items or elements below system level**
 - **Assesses decomposition of system specification to system functional specifications**
 - **Determines whether system's functional**

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Conduct of Post-SDR Assessment

- **PMs shall provide a Post-SDR report to the MDA:**
 - **Assessment of design maturity and summary of system-level SDR results**
 - **Independent vulnerability assessment and orbital debris mitigation risk report**
- **MDA shall conduct a Post-SDR Assessment**
 - **Reviews PMs Post-SDR Report**
 - **Determines if more action is necessary to achieve TD phase objectives and satisfy ICD**
 - ***An IPA will support the Post-SDR Assessment***
 - **Results documented in Acquisition Decision Memorandum (ADM)**

Implementation of New SSAP Authorization for Procurement of Long-Lead Items at Milestone B

**In addition to DoDI 5000.02
requirements, Milestone B shall
normally include **authorization for
procurement of long-lead items**
necessary for authorized number of
initial production articles**

Implementation of SSAP Entrance Criteria for Production and Deployment Phase

**In lieu of the DoDI 5000.02
requirements to have acceptable
performance in DT&E and
Operational Assessment (OA), and
no significant manufacturing risks,
space systems shall be required to
have acceptable performance in
developmental test activities and
acceptable manufacturing risks**

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Phase Description of Production and Deployment Phase

- Milestone C shall be described as the **initial production review** and shall be conducted as soon as feasible after program CDR
 - Authorizes acquisition-related activities associated with fabrication, integrated T&E, to include DT&E and OT&E, deployment (e.g. launch), and support of new space system
 - MDA shall review post-CDR report, determine whether additional action is necessary to satisfy EMD phase exit criteria, address and resolve orbital debris compliance issues, and approve production articles

*Post CDR Assessment takes place at
Milestone C*

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Phase Description of Production and Deployment Phase

- MDA will approve subsequent article production at a **Follow-on Production Decision**
- MDA may direct an **In-Progress Review (IPR)** after Milestone C, but prior to follow-on production decision review, to assess progress and determine if any additional actions are necessary to support a **Follow-on Production Decision**

Implementation of SSAP Follow-On Production Decision for Space Systems

- MDA shall conduct a **Follow-on Production Decision Review** in lieu of a full-rate production and deployment decision to authorize procurement of additional space system articles beyond those authorized at Milestone C
 - Statutory and regulatory information requirements in DoDI 5000.02 for full-rate production and deployment reviews shall apply to follow-on production decision review for space systems
 - An OSD Independent Cost Estimate (ICE) is required to support a Follow-on Production Decision

Implementation of SSAP Entrance Criteria for Operations and Support Phase

- **In addition to DoDI 5000.02 requirements, space systems shall be required to have acceptable performance in integrated T&E, to include DT&E, OT&E, and user acceptance of the system**
- **A Follow-on Production Decision Review may not be required as an entrance criteria if, for example, only one space system article is being**

Current O&S Phase Entrance Criteria: Approved Capability Production Document (CPD); approved Life Cycle Sustainment Plan (LCSP); and successful Full-Rate Production (FRP) Decision

Implementation of SSAP Material Development Decision (MDD) for All Follow-On Increments

All follow-on increments shall be preceded by a Materiel Development Decision (MDD) to:

- **Assess prior increment's progress**
- **Consider additional requirements for that increment**
- **Determine proper phase of entry for next increment**

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Air Force Changes

Secretary of the Air Force Memorandum, HQ Air Force Space Management and Organization, 25 Aug 2010

- Designates Under Secretary of the Air Force as the Senior Air Force Official for space matters
- Transfers space acquisition from Under Secretary (SAF/US) to Asst Secretary for Acquisition (SAF/AQ)
- Realigns Space PEO reporting from SAF/US to SAF/AQ
- Maintains Air Staff A3/A5 role for space operations and requirements
- Continues Air Force Space Command as lead for space-related capabilities
- Create

***SECAF Memo is available at
[https://acc.dau.mil/CommunityBrowser.aspx?
id=394836&lang=en-US](https://acc.dau.mil/CommunityBrowser.aspx?id=394836&lang=en-US)***

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What is Next?

- **DTM to be incorporated into DoDI 5000.02 within 180 days**
- **Additional guidance, best practices, lessons learned, and expectations will be provided in the Defense Acquisition Guidebook (revision date TBD)**

Additional Information Related to Space Acquisition is Available at DAU's Space Acquisition Community of Practice
<https://acc.dau.mil/space>